

ABSTRACT OF THE DISCLOSURE

An intelligent power system includes one or more common power sources and one or more subsystem components interconnected with the common power sources. Each common power source includes a regulated bus, an unregulated bus, a sensor, a controller and a plurality of switches operated by the controller. A subsystem component includes a regulated bus, an unregulated bus, a power source, a sensor, a controller and a plurality of switches operated by the controller. With such a configuration, the system is able detect and isolate failed segments of the power system and is reconfigurable to restore power.

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